

BIODIESEL CAN HELP MASSACHUSETTS ACHIEVE ITS CLEAN ENERGY GOALS

Environmental Solutions

B10 10% biodiesel blend eliminates **65.2 million gallons of petroleum in heating oil**, the equivalent of making **64,165 homes carbon neutral**.

B20 20% biodiesel produces a **14.6% reduction in CO₂ emissions and better GHG performance** than natural gas.

B50 50% biodiesel **eliminates 326.4 million gallons of petroleum in heating oil and 2.8 million metric tons of carbon**.

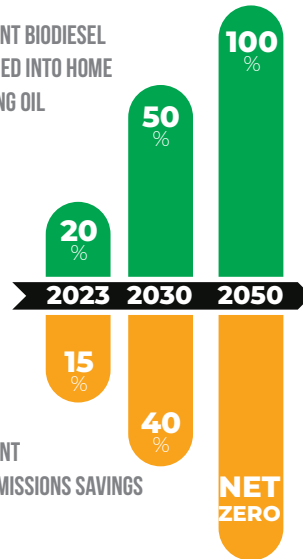
B100 100% biodiesel **eliminates 653 million gallons of petroleum in heating oil and 5.57 million metric tons of carbon**.

90k



Boston's Fire, Parks and Recreation, Police, Property Management, Public Schools, Public Works and Transportation departments will use an estimated **90,000 gallons of B20 Bioheat®** in winter 2019-2020. This will reduce city buildings' greenhouse gas emissions by **322,560 pounds**.

PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



PERCENT
GHG EMISSIONS SAVINGS

15%

40%

NET ZERO

HEATING INDUSTRY PROPOSAL TO LOWER CARBON EMISSIONS

Under the Providence Resolution, the heating oil industry has established benchmarks to achieve **net-zero emissions by 2050** using Bioheat® fuel.



CURRENT GOALS

B10 and higher biodiesel blends qualify as Eligible Liquid Biofuels under the state's Alternative Energy Portfolio Standard.

MA has set a goal of 80% greenhouse gas reductions by 2050.

Economic Solutions

708,000



homes and businesses rely on Bioheat® (27% of households)

#3



the third largest consumer of heating oil in the U.S.

619M



gallons of Bioheat® fuel delivered annually

2



biodiesel producers with 3-million gallons annual capacity

100



full time jobs throughout the state and region

Sources: "REG Blending Partner Becomes Boston's Official Heating Oil Provider," Renewable Energy Group, December 17, 2019; U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates; U.S. Energy Information Administration, Distillate Fuel Oil and Kerosene Sales by End Use, Five Year-Avg., 2013-2017; "Leading the Way Toward a Zero-Carbon Future," NEFI, 2019; U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator; NESCAUM, "Low Sulfur Heating Oil in the Northeast States: An Overview of Benefits, Costs and Implementation Issues," December, 2005, p. 2-7.

